

Fig. 1. Macropodus cupanus (scale bar in mm)

and shallow waters, generally within or not far removed from tidal influence". He also mentioned that it was found "..... in the Bhavani at Mettupalaiyam and also along the base of the ghats in Canara. It lurks under stones, or among weeds, and becomes very tame in the aquarium. It grows to about 3 inches in length." He had described the colour of the fish as rifle- green.

Jayaram (1981) included this fish under family Belontidae and subfamily Macropodinae and marked it as

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the species visiting freshwater; the distribution is given as "..... Kerala, Coromandel and Western Ghats". *Macropodus* has also been reported from brackish water ponds of Goa by Tilak (1973) with a comment on distribution as "..... found in pools and ponds along the coasts of India."

Jones (1940) gave an interesting account of the breeding habits and early embryonic development of this fish. He found the fish to be: common in tanks, lakes and ditches; capable of breathing atmospheric air; capable of burrowing in mud when frightened; an important mosquito larvivore and one in which larvae possess cement glands.

This report is based on a single specimen, collected alive from the river. An attempt is being made to locate the population around this area.

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## 30. DISTRIBUTION OF THE AMPHIBIAN FAUNA OF INDIA

The amphibian fauna of India and their distribution have been described by Inger and Dutta (1986). Chanda and Ghosh (1988) added a few more species not listed by Inger and Dutta. The collection data of amphibian fauna in BNHS collection shows that some of the species have been collected from states other than those mentioned by Inger and Dutta, and Chanda and Ghosh. In this note the extension of range for some species, not reported earlier, is given.

November 16, 1990

A.G. SEKAR

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Spe	ecies	Known occurrence (Inger & Dutta 1986)	Extension of known occurrence
	URA FONIDAE		
1.	Bufo himalayana Gunther, 1894	Arunachal Pradesh, Meghalaya, Sikkim, West Bengal	Uttar Pradesh
2.	Bufo microtympanum Boulenger, 1882	Kerala	Tamil Nadu, Maharashtra
3.	Bufo stomaticus Lutken, 1862	Assam, Bihar, Himachal Pradesh, Karnataka, Jammu & Kashmir, Maharashtra, Orissa, West Bengal	Andhra Pradesh, Gujarat, Punjab, Rajasthan, Uttar Pradesh
MI	CROHYLIDAE		
4.	Kaloula pulchra Gray, 1831	Assam, Karnataka, West Bengal	Tamil Nadu, Kerala, Madhya Pradesh (Daniel & Verma 1963)
5.	Microhyla rubra (Jerdon, 1854)	Assam, Kerala, Tamil Nadu, West Bengal	Andhra Pradesh, Karnataka
6.	Ramanella montana (Jerdon, 1854)	Kerala, Maharashtra	Goa, Gujarat, Karnataka
7.	Ramanella variegata (Stoliczka, 1872)	Karnataka, Kerala, Madhya Pradesh, Orissa, Tamil Nadu, West Bengal	Maharashtra
8.	Uperodon globulosum (Gunther, 1864)	Assam, Bihar, Karnataka, Madhya Pradesh, Maharashtra, Orissa, West Bengal	Goa, Gujarat
9.	Uperodon systoma (Schneider, 1799)	Karnataka, Kerala, Orissa, Himachal Pradesh, Tamil Nadu, Uttar Pradesh, West Bengal	Andhra Pradesh
RA	NIDAE		
10.	Micrixalus fuscus (Boulenger, 1882)	Kerala	Tamil Nadu
11.	Nyctibatrachus humayuni (Bhaduri & Kripalani, 1955)	Maharashtra	Goa
12.	Nyctibatrachus major (Boulenger, 1882)	Kerala	Tamil Nadu
13.	Rana beddomii (Gunther, 1875)	Kerala, Maharashtra	Kamataka, Tamil Nadu
14.	Rana brevipalmata Peters, 1871	Kerala, Tamil Nadu	Kamataka
15.	Rana curtipes Jerdon, 1853	Karnataka, Kerala	Tamil Nadu
16.	Rana diplosticta (Gunther, 1875)	Kerala .	Tamil Nadu
17.	Rana erythraea (Schlegel, 1837)	Assam, Orissa, Meghalaya (according to Chanda &Ghosh 1988)	Nicobar Islands, Uttar Pradesh (Tilak & Ray, 1990
18.	Rana hexadactyla Lesson, 1834	Andhra Pradesh, Gujarat, Karnataka, Kerala, Maharashtra, Orissa, Rajasthan (?), Tamil Nadu, West Bengal	Goa

## MISCELLANEOUS NOTES

Spe	cies	Known occurrence (Inger &Dutta 1986)	Extension of known occurrence
19.	Rana keralensis Dubois, 1980	Kerala	Goa, Karnataka, Tamil Nadu
20.	Rana leithii	Gujarat, Kerala, Madhya Pradesh, Maharashtra	Tamil Nadu
	Boulenger,1888		
21.	Rana leptodactyla Boulenger, 1882	Kerala	Tamil Nadu
22.	Rana malabarica Tchudi, 1838	Kerala, Madhya Pradesh, Maharashtra	Goa, Karnataka
23.	Rana semipalmata Boulenger, 1882	Kerala	Tamil Nadu
24.	Rana syhadrensis Annandale, 1919	Maharashtra, Orissa	Goa
25.	Rana temporalis (Gunther, 1864)	Karnataka, Kerala, Maharashtra	Tamil Nadu
26.	Tomopterna breviceps (Schneider, 1799)	Bihar, Himachal Pradesh, Kerala, Orissa, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal.	Andhra Pradesh, Goa, Gujarat, Maharashtra, Madhya Pradesh
27.	Tomopterna rufescens (Jerdon, 1854)	Kerala, Maharashtra	Goa, Kamataka
RH	ACOPHORIDAE		
28.	Philautus bombayensis (Annandale, 1919)	Maharashtra	Goa
29.	Philautus chalazodes (Gunther, 1865)	Kerala	Kamataka, Tamil Nadu
30.	Philautus glandulosus (Jerdon, 1853)	Kerala, Maharashtra	Tamil Nadu
31.	Philautus leucorhinus (Lichtenstein & Martens, 1856)	Kerala	Goa, Karnataka
32.	Philautus variabilis (Gunther, 1858)	Andhra Pradesh, Kerala	Tamil Nadu, Karnataka
33.	Rhacophorus malabaricus Jerdon, 1870	Kamataka, Kerala	Goa, Tamil Nadu
	MNOPHIONA ITHYOPHIDAE		
	Ichthyophis sikkimensis Taylor, 1960	Sikkim, West Bengal	Kerala

# 31. OCCURRENCE OF THE MALABAR TORRENT TOAD ANSONIA ORNATA GUNTHER IN SOUTH KANARA, KARNATAKA

The Malabar torrent toad Ansonia ornata is one of the little known anurans in India. The only known specimens of this brightly coloured toad are probably from the Brahmagiri hills in Coorg (Daniel, J.C., JBNHS 60: 415-438). I recently found quite a few individuals of this toad at Neria, a small hill station off the well known Dharmastala in the South Kanara district. Neria, despite its vast stretches of coffee, rubber and cardomom estates, still retains a fair amount of tall rainforests along the slopes and higher reaches. It receives an annual rainfall of 4500-6000 mm, with only four dry months (December- March). The terrain is rugged with several narrow torrential streams that were flowing fast especially during October-November (1990) when I was there, the slimy rocks were